

Claims

1. An orally administrable composition for improving hair or coat quality in humans or animals, which comprises as an active ingredient an effective amount of a molecule that stimulates energy metabolism of the cell or an antioxidant or combinatory admixtures thereof, in an orally acceptable carrier.

2. A composition according to claim 1, wherein said molecule is L-carnitine, creatine, fatty acids (monounsaturated and polyunsaturated, particularly omega-3 fatty acids), cardiolipin, nicotinamide or carbohydrate and natural sources thereof.

3. A composition according to claim 1 or 2, in which the antioxidant is a source of thiols such as lipoic acid, cysteine, cystine, methionine, S-adenosyl-methionine, taurine, glutathione or natural sources thereof, or a compound that upregulate their biosynthesis in vivo, or other antioxidants such as vitamin C, vitamin E, carotenoids, ubiquinones, tea catechins, coffee extracts containing polyphenols and/or diterpenes, grape or grape seed extracts rich in proanthocyanidins, spice extracts, soy extracts and other sources of flavonoids with antioxidant activity or compounds such as ursodeoxycholic acid, ursolic acid, ginseng and ginsenosides and natural sources thereof.

4. A composition according to any of claims 1 to 3, which is a pharmaceutical composition, a nutritionally complete pet food or a dietary supplement for animal consumption.

5. A composition according to any of claims 1 to 3, which is a pharmaceutical composition, a nutritionally complete human food, or a dietary supplement for human consumption.

6. A composition according to any of claims 1 to 5, which stimulates hair growth.

7. A composition according to any of claims 1 to 5, which modulates hair sebum lipid production and/or composition

8. A composition according to one of claims 1 to 7, which comprises carnitine or an antioxidant or combinatory admixtures thereof.

5 9. Use of a molecule that stimulates energy metabolism of the cell, an antioxidant or a combination thereof, for the preparation of an orally administrable composition intended to improve hair or coat quality in humans or animals.

10 10. Use of a molecule that stimulates energy metabolism of the cell or an antioxidant or a combination thereof, for the preparation of an orally administrable composition intended to stimulate hair growth in humans or animals.

15 11. Use according of a molecule that stimulates energy metabolism of the cell or an antioxidant or a combination thereof, for the preparation of an orally administrable composition intended to modulate hair sebum lipid production and/or composition.

12. Use according to one of claims 9 to 11, wherein the human or animal is adult.

20 13. A method to improve hair or coat quality of humans or animals, comprising administering to the individual a composition according to one of claims 1 to 7.

14. A method to stimulate hair growth in humans or animals, comprising administering to the individual a composition according to one of claims 1 to 7.

25 15. A method to modulate hair sebum production and/or composition, comprising administering to the individual a composition according to one of claims 1 to 7

16. A method according to one of claims 13 to 15, wherein the individual is adult.